## Overview

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>100 μL</td>
</tr>
<tr>
<td>Target</td>
<td>SLC12A4</td>
</tr>
<tr>
<td>Binding Specificity</td>
<td>AA 2-50</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Conjugate</td>
<td>This SLC12A4 antibody is un-conjugated</td>
</tr>
<tr>
<td>Application</td>
<td>Western Blotting (WB), Immunohistochemistry (IHC)</td>
</tr>
</tbody>
</table>

## Product Details

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
<td>Rabbit antibody to SLC12A4 (2-50)</td>
</tr>
<tr>
<td>Immunogen</td>
<td>A synthetic peptide from AA 2-50 of human SLC12A4 conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat and mouse.</td>
</tr>
<tr>
<td>Specificity</td>
<td>Specific for SLC12A4.</td>
</tr>
<tr>
<td>Cross-Reactivity</td>
<td>Human, Mouse, Rat</td>
</tr>
<tr>
<td>Cross-Reactivity (Details)</td>
<td>Other species not yet tested.</td>
</tr>
<tr>
<td>Purification</td>
<td>Whole serum</td>
</tr>
</tbody>
</table>

## Target Details

| Target | SLC12A4 |
### Target Details

<table>
<thead>
<tr>
<th>Alternative Name:</th>
<th>SLC12A4 (SLC12A4 Products)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Background:</strong></td>
<td>Function: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl- exit in NaCl absorbing epithelia. Isoform 4 has no transport activity. SUBCELLULAR LOCATION: Membrane, Multi-pass membrane protein Tissue specificity: Ubiquitous. Levels are much higher in erythrocytes from patients with Hb SC and Hb SS compared to normal AA erythrocytes. This may contribute to red blood cell dehydration and to the manifestation of sickle cell disease by increasing the intracellular concentration of HbS. Isoform 1 was not detected in circulating reticulocytes. SLC12 Family, Solute carrier family 12 member 4, Electroneutral potassium-chloride cotransporter 1, Erythroid K-Cl cotransporter 1, KCC1</td>
</tr>
<tr>
<td>UniProt:</td>
<td>Q9UP95</td>
</tr>
</tbody>
</table>

### Application Details

| Application Notes: | IHC, WB (confirmed by recombinant protein). A dilution of 1: 200 to 1: 2000 is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications. |
| Restrictions: | For Research Use only |

### Handling

| Format: | Lyophilized |
| Reconstitution: | Reconstitute in 100 μL of sterile water. Centrifuge to remove any insoluble material. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles. |
| Expiry Date: | 12 months |